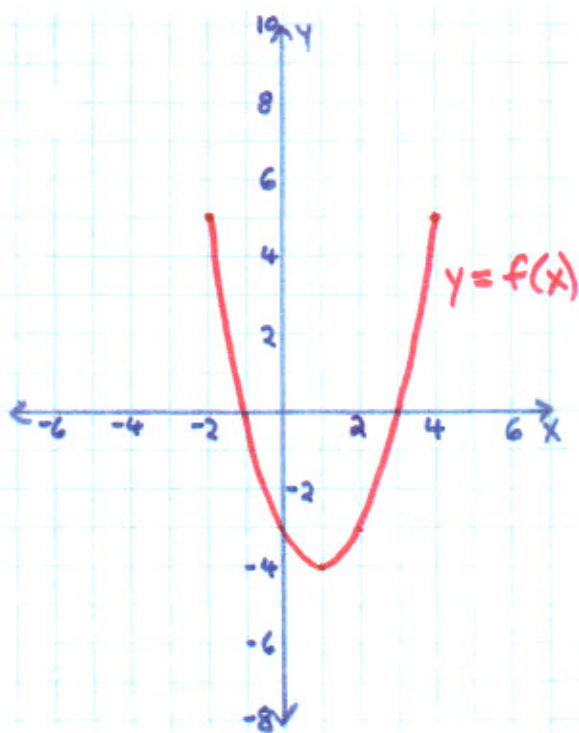
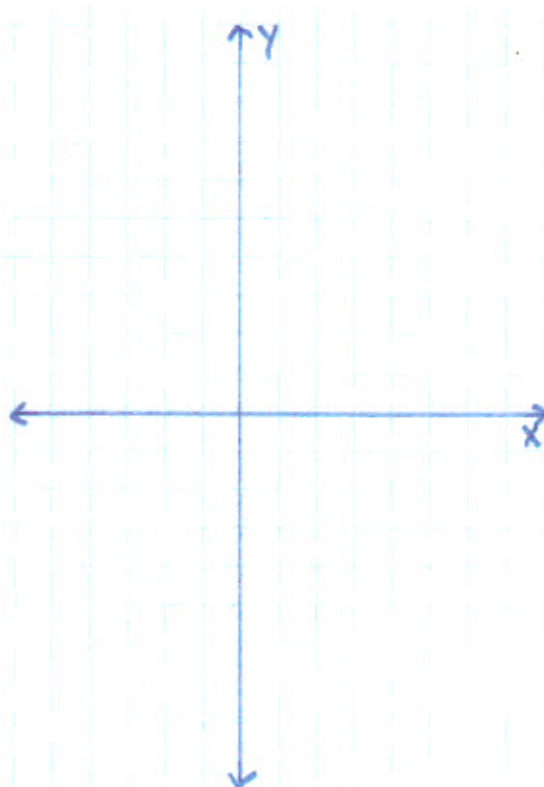
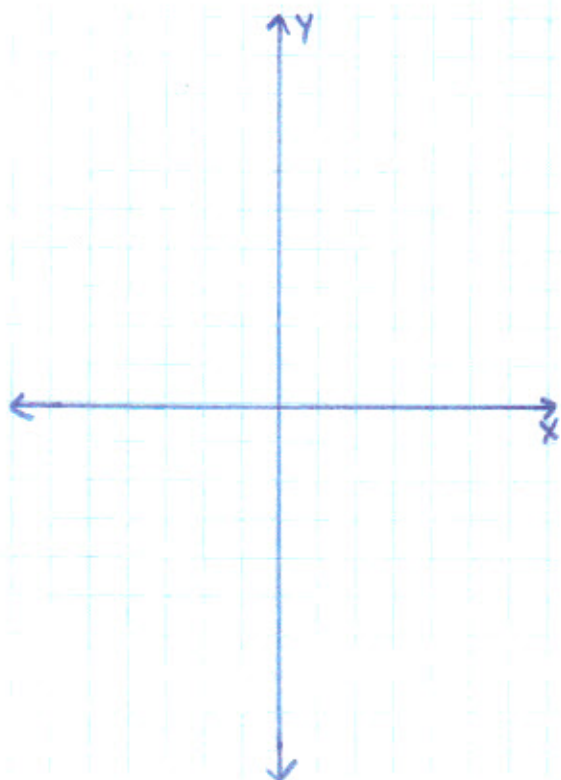


Given the graph of $y = f(x)$ shown immediately below, draw each of the transformations requested:

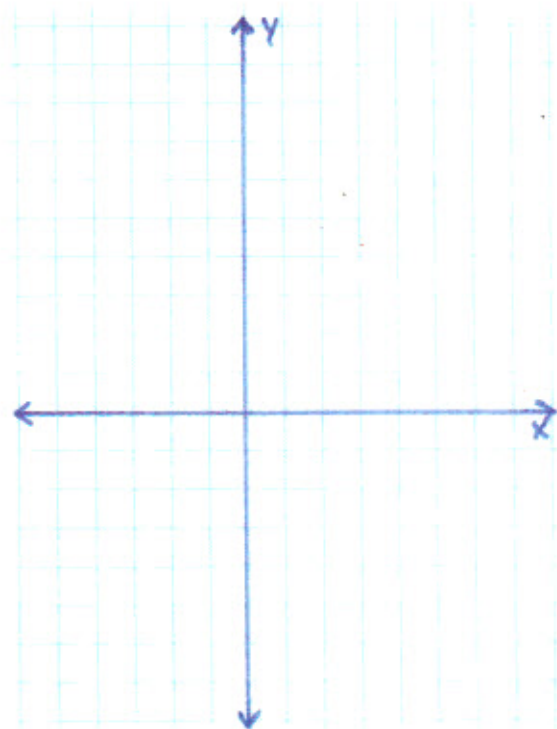


1. Transformation $y = f(x) + 3$

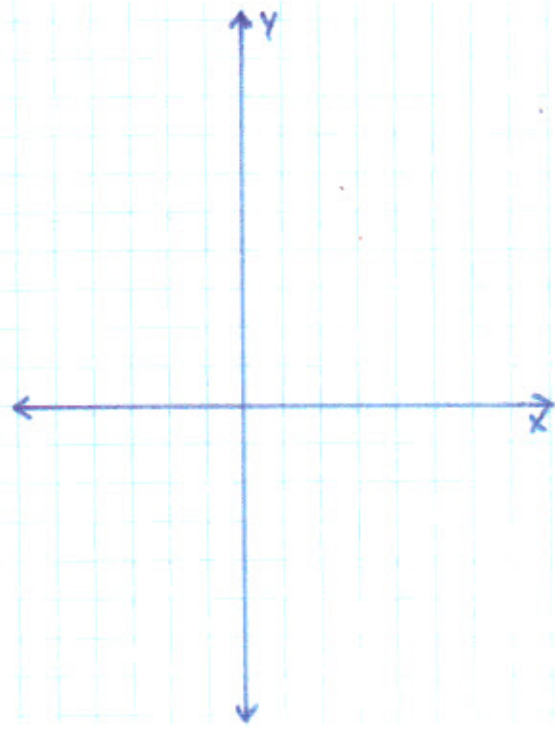
2. Transformation $y = f(x) - 4$



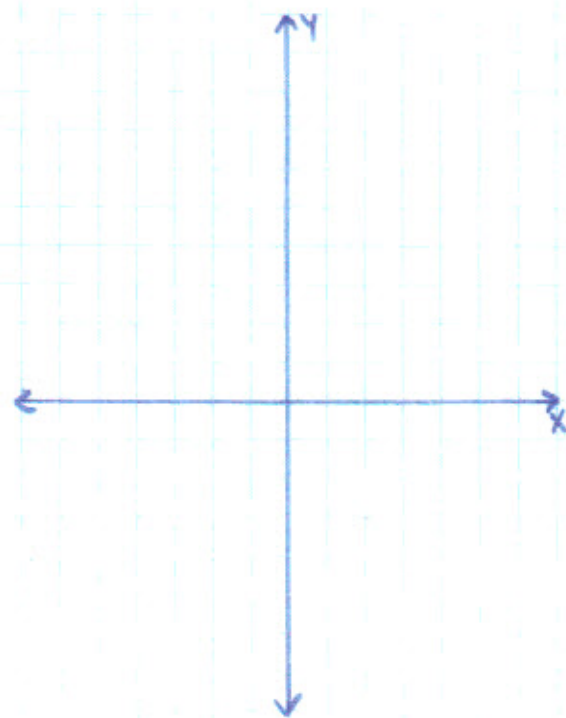
3. Transformation $y = 2f(x)$



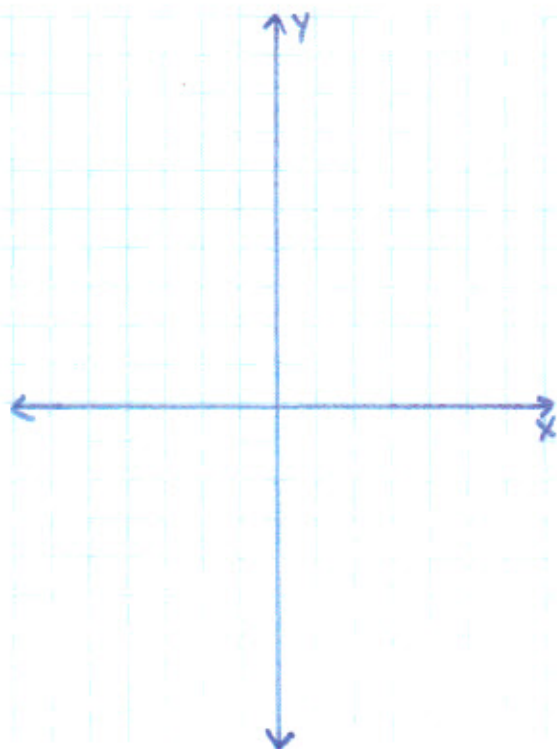
4. Transformation $y = \frac{1}{2}f(x)$



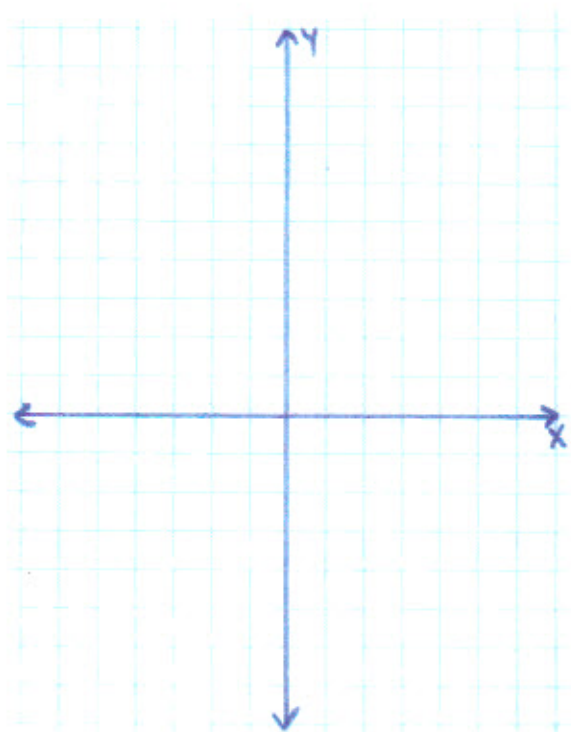
5. Transformation $y = f(x - 1)$



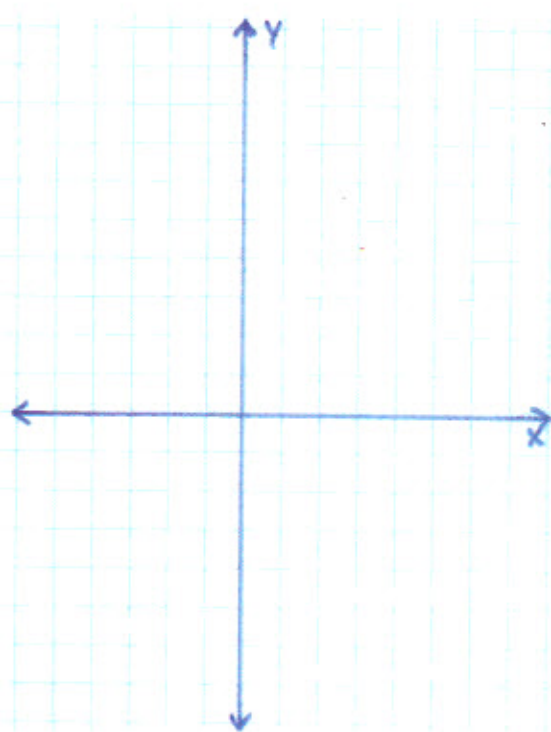
6. Transformation $y = f(x + 3)$



7. Transformation $y = f(2x)$



8. Transformation $y = f\left(\frac{1}{2}x\right)$



9. Transformation $y = |f(x)|$

